IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Alex Nugent EXAMINER: Joseph P. Hirl

SERIAL NO.: 10/748,546 **GROUP:** 2129

FILED: 12/30/2003 ATTY DKT NO.: 1000-1215

TITLE: PHYSICAL NEURAL NETWORK LIQUID STATE MACHINE

UTILIZING NANOTECHNOLOGY

Please forward all correspondence to:

ORTIZ & LOPEZ, PLLC Patent Attorneys P.O. Box 4484 Albuquerque, NM 87196 -4484

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

AMENDMENTS AND REPLY TO OFFICE ACTION

Dear Sir:

In response to the Office Action dated May 22, 2007 in the above captioned matter, please enter the following amendments and remarks:

The claim listing begin on Page 2 of this Paper.

Remarks begin on Page 10 of this Paper.